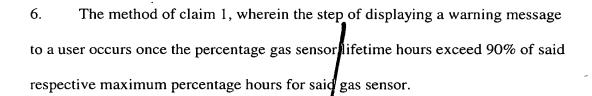
What is claimed is:

1. A method of predicting failure of gas sensors in an incubator environment comprising the steps of:

analyzing at least one gas sensor for lifetime adjustment; adjusting a percentage gas sensor lifetime hours; normalizing said lifetime hours adjustments;

calculating the percentage gas sensor lifetime hours for comparison with its respective maximum percentage hours for said gas sensor; and displaying a warning message to a user.

- 2. The method of claim 1, further comprising repeating the adjusting step every hour as determined by a cumulative clock in an embedded controller.
- 3. The method of claim 2, wherein an hour count is stored in percentage gas sensor lifetime hours at a temperature of 20 degrees Celsius in said embedded controller.
- 4. The method of claim 3, wherein the step of normalization includes gas concentration and gas sensor temperature remaining constant over a previous hour.
- 5. The method of claim 3, wherein the embedded controller tracks O_2 and CO_2 set points by percentage.



- 7. The method of claim 3, wherein the embedded controller tracks O_2 and CO_2 operation times.
- 8. The method of claim 4, wherein said gas sensor is an O_2 sensor.
- 9. The method of claim 4, wherein said gas sensor is a CO₂ sensor
- 10. A predictive warning system for incubator gas sensor failure, comprising: at least one gas sensor disposed in an incubator housing; an embedded controller for analyzing the at least one gas sensor for failure; and an interface display for indicating said gas sensor failure to a user.
- 11. The predictive warning system of claim 10, wherein said embedded controller tracks the O₂ and CO₂ set points by percentage.
- 12. The predictive warning system of claim 10, wherein said interface display is resettable.

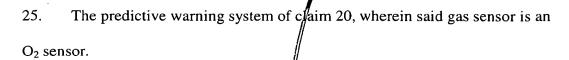
- 13. The predictive warning system of claim 10, wherein said embedded controller tracks the O₂ and CO₂ operation times.
- 14. The predictive warning system of claim 10, wherein said embedded controller adjusts a percentage gas sensor lifetime hours every hour.
- 15. The predictive warning system of claim 14, wherein said interface display indicates a warning message to said user once the percentage gas sensor lifetime hours exceed 90% of their respective maximum percentage hours for said gas sensor.
- 16. The predictive warning system of claim 15, wherein said gas sensor is an O₂ sensor.
- 17. The predictive warning system of claim 15, wherein said gas sensor is a CO₂ sensor.
- 18. A predictive warning system for incubator gas sensor failure, comprising:
 means for analyzing at least one gas sensor for lifetime adjustment;
 means for adjusting a percentage gas sensor lifetime;
 means for normalizing said lifetime hours adjustments;
 means for calculating the percentage gas sensor lifetime for comparison

with their respective maximum percentage hours for said gas sensor; and

means for displaying a warning message to a user once the percentage gas sensor lifetime hours exceed 90% of said respective maximum percentage hours for said gas sensor.

- 19. The predictive warning system of claim 18, further comprising:
 means for adjusting the percentage gas sensor lifetime hours every hour.
- 20. The predictive warning system of claim 19, wherein an hour count is stored in percentage gas sensor lifetime hours at a temperature of 20 degrees Celsius in said embedded controller.
- 21. The predictive warning system of claim 19, wherein the step of normalization includes gas concentration and gas sensor temperature remaining constant over a previous hour.
- 22. The predictive warning system of claim 19, wherein the embedded controller tracks O₂ and CO₂ set points by percentage.
- 23. The predictive warning system of claim 19, wherein the embedded controller tracks O₂ and CO₂ operation times.
- 24. The predictive warning system of claim 18, wherein said means for displaying a warning message to a user is resettable.





26. The predictive warning system of claim 20, wherein said gas sensor is an CO₂ sensor.